

10/523567

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL LETTER TO THE UNITED STATES RECEIVING OFFICE

Express Mail mailing number: ED 398888643 US

DT05 Rec'd PCT/PTO 0-2 FEB 2005
Date of deposit: 2 February 2005

File reference no.: PO8454/CF1-10

International application no. (if known): PCT/EP2003/008143

Title of the invention: Highly Shock-Resistant Ceramic Material

Earliest priority date claimed (Day/Month/Year):

06 Aug 2002 (6.08.2002)

☒ This is a new International Application

SCREENING DISCLOSURE INFORMATION:

In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (check as many boxes as apply):

☒ The invention disclosed was **not** made in the United States of America.☒ There is no prior U.S. application relating to this invention.

☐ The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on the Request (form PCT/RO/101) and this listing does **not** constitute a claim for priority.)

application no.		filed on	
application no.		filed on	

☐ The present international application contains additional subject matter not found in the prior U.S. application(s) identified above. The additional subject matter is found on pages _____ and ☐ DOES NOT ALTER ☐ MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 C.F.R. 5.15.

Itemized list of contents

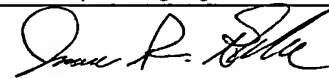
Sheets of Request form:	2	Check no.:	
Sheets of description (excluding sequence listing):	30	Return receipt postcard:	1
Sheets of claims:	3	Power of attorney:	
Sheets of abstract:	1	Certified copy of priority document (specify):	
Sheets of drawings:	2	Other (specify): PTO-1449 and copies of articles listed therein;	
Sheets of sequence listing:		Preliminary Amendment	
Sequence listing diskette/CD:			
Tables related to sequence listing CD:			

The person signing this form is:

☐ Applicant☒ Attorney/Agent (Reg. No.)
42,552☐ Common Representative

James R. Franks

Name of person signing


Signature

This collection of information is required by 37 CFR 1.10 and 1.412. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Form PTO 1449 Rev. 7-80	U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary)	Atty. Docket No PO8454/CFI-10 Applicant Gerhard Wotting et al Filing Date Herewith	Serial No. To Be Assigned Group #2
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	*4,205,033	05/27/80	Hattori et al	264	65	
	AB	*5,508,241	04/16/96	Yeckley	501	97	
	AC	*5,902,761	05/11/99	Oda et al	501	97.1	
	AD	*2001/0027681	10/11/01	Nomura et al	73	78	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL	*44 22 566	01/12/95	Germany				
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Ceramics International 24, (month unavailable), 1998, pages 379-386, M. Hadfield, "Failure of Silicon Nitride Rolling Elements with Ring Crack Defects"
	AS	Proc. 6 th Int. Symp. on Ceramic Materials and Components for Engines, Arika, Japan, (month unavailable) 1997, pages 556-561, Robert T. Cundill, "Impact Resistance of Silicon Nitride Balls"
	AT	*Patent Abstracts of Japan vol. 1999, no. 05, 31. Mai 1999 (1999-05-31) - & JP 11 043372 A (Sumitomo Electric Ind Ltd), 16. Februar 1999 (1999-02-16)
EXAMINER		DATE CONSIDERED
EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.		

* Copies of documents previously submitted by WIPO.

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1995 Rec'd PCT/PTO Sheet 2 of 2 FEB 2005

Form PTO 1449 Rev. 7-80	U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary)	Atty. Docket No PO8454/CFI-10	Serial No. To Be Assigned
		Applicant Gerhard Wotting et al	
		Filing Date Herewith	Group

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							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	*Patent Abstracts of Japan vol. 014, no. 456 (C-0765), 2. Oktober 1990 (1990-10-02) -& JP 02 180754 A (Hitachi Metals Ltd), 13. Juli 1990 (1990-07-13)
	AS	
	AT	

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